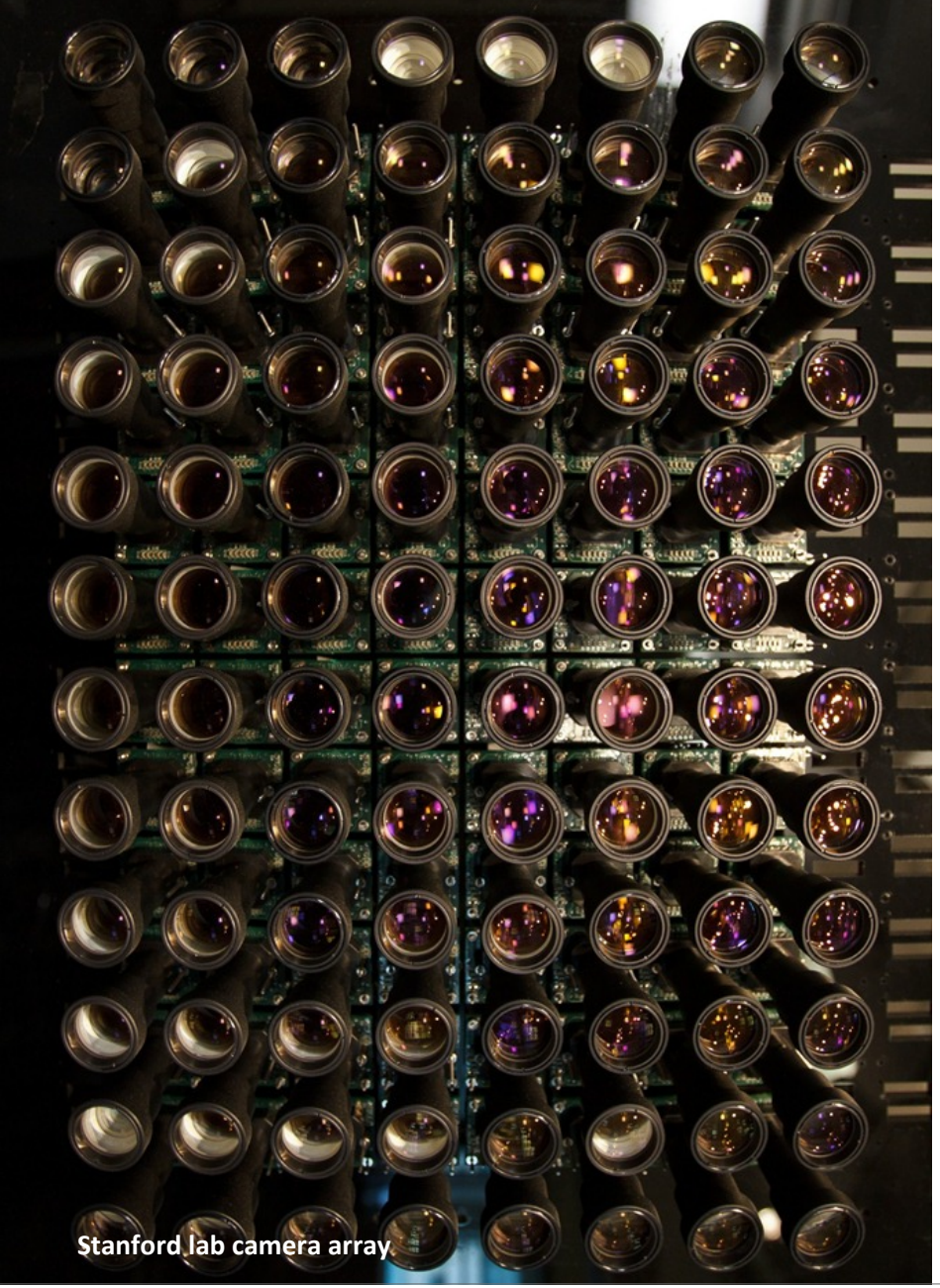
The Lytro Light Field Camera is a breath of fresh air in a traditional digital camera market. Its colorful anodized aluminum body, supple rubber controls and intuitive touchscreen deliver a complex message with clarity – the new way to experience photography is here.



Stanford lab camera array

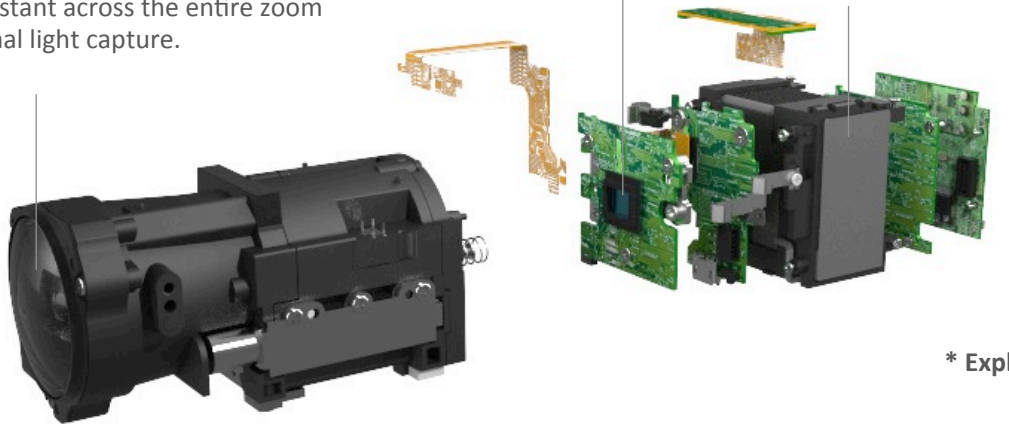
Lytro

Lytro shrinks what required a multiple lens array and supercomputing lab into an iconic, handheld, consumer product – radically advancing product architecture in the process.

Lens
8X Optical zoom, f/2 aperture lens.
Aperture is constant across the entire zoom range for optimal light capture.

Light field sensor
Micro-lens array

Light field engine
Processes the light ray data captured by the sensor.

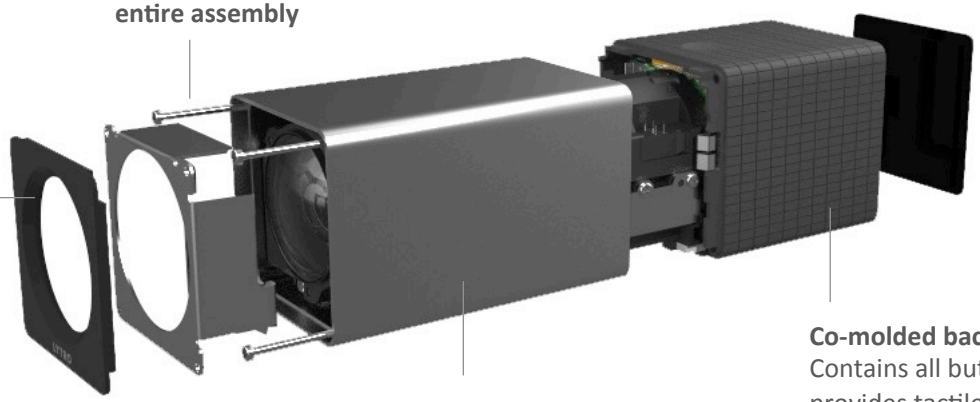


*** Exploded component assembly**

*** Exploded Enclosure assembly**

4 Screws holding entire assembly

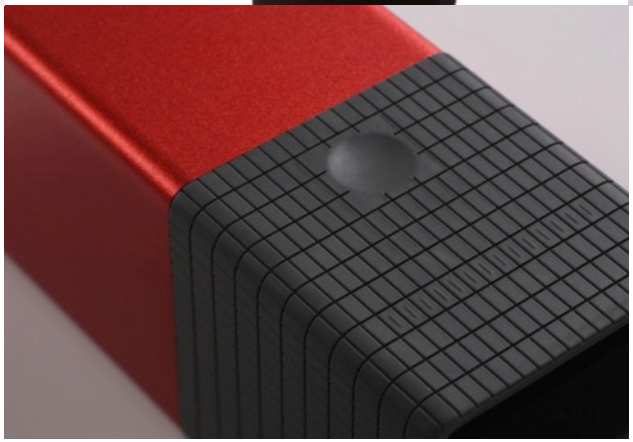
Lens bezel



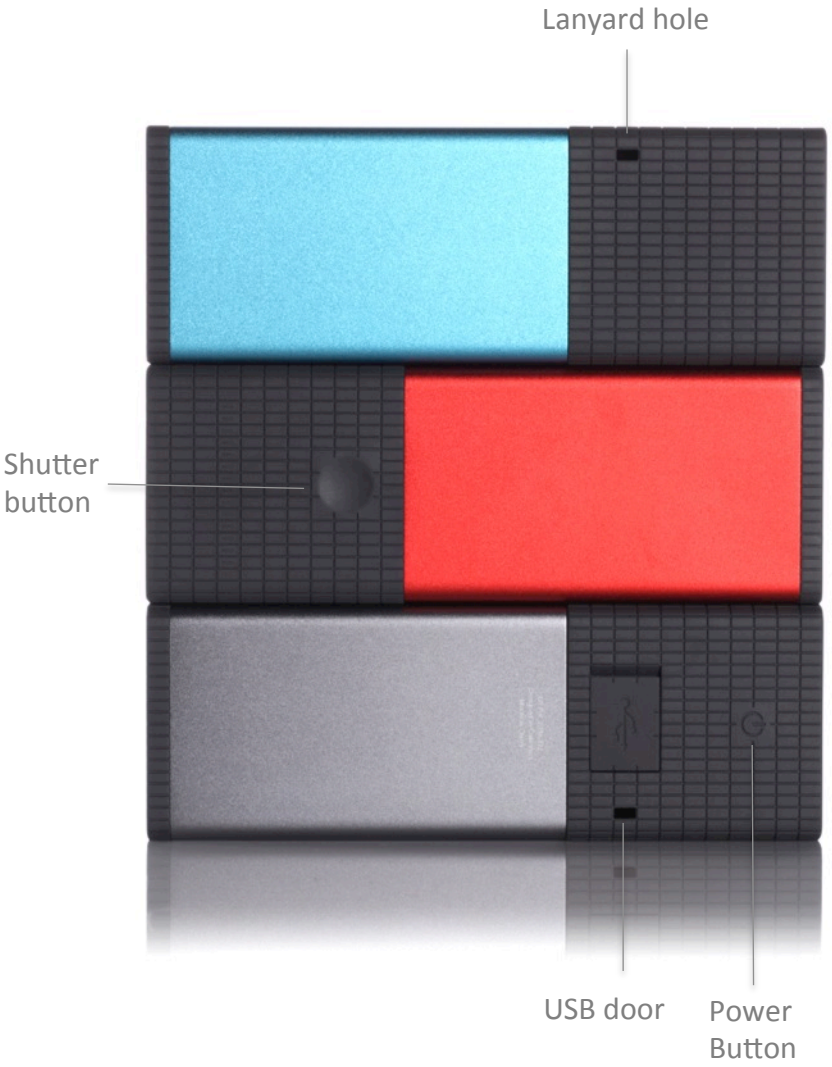
Aluminum extrusion
Houses the lens

Co-molded back housing
Contains all but the lens and provides tactile control points and USB access

Lytro's new physical architecture splits electronics into 4 logic boards, stacked inline with sensor, engine, battery, lens and screen. This hyper-dense stack is threaded by 4 long screws and enclosed in a 112mm long sleeve made of an aluminum extrusion and co-molded rubber.



Reminiscent of a kaleidoscope, Lytro is highly compact and streamlined. An anodized aluminum tube functions as both cosmetic housing and structure while a geometric grip-pattern seamlessly integrates shutter, power and zoom line – the end result is a camera without a single superfluous gesture.



Each component within was weighed and positioned precisely to place the center of gravity directly under the shutter button - a seemingly small detail that rests Lytro effortlessly and securely in your hand.

LYTRO